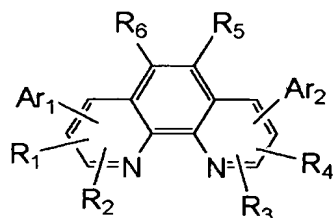


ABSTRACT

A novel phenanthroline compound is provided which is represented by the general formula [I]:



5 (wherein R_1 , R_2 , R_3 , R_4 , R_5 and R_6 are the same or different and each is selected from a hydrogen atom, an unsubstituted or substituted alkyl group, an unsubstituted or substituted aralkyl group, an unsubstituted or substituted aryl group, an
10 unsubstituted or substituted heterocyclic group, and a halogen atom; and Ar_1 and Ar_2 are the same or different and each is selected from an unsubstituted or substituted fluorenyl group, an unsubstituted or substituted fluoranthenyl group, an unsubstituted or
15 substituted perylenyl group, and an unsubstituted or substituted carbazolyl group). An organic light emitting device using the phenanthroline compound is also provided that has a light output with a high efficiency and a high luminance and has a high long-
20 term durability.